

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/519,135

CRF Edit Date: 1/10/05  
Edited by: Ac

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: 1 invalid beginning/end-of-file text ; 1 page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/519,135

DATE: 01/10/2005

TIME: 16:26:44

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\01102005\J519135.raw

3 <110> APPLICANT: The Australian National University  
 5 <120> TITLE OF INVENTION: METHOD OF PRODUCING PLANTS HAVING ENHANCED TRANSPIRATION  
 EFFICIENCY AND  
 6 PLANTS PRODUCED THEREFROM  
 8 <130> FILE REFERENCE: 94948/MRO  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/519,135  
 C--> 10 <141> CURRENT FILING DATE: 2004-12-22  
 10 <150> PRIOR APPLICATION NUMBER: AU PS3339  
 11 <151> PRIOR FILING DATE: 2002-07-02  
 13 <160> NUMBER OF SEQ ID NOS: 45  
 15 <170> SOFTWARE: PatentIn version 3.1

**Does Not Comply**  
**Corrected Diskette Needed**

## ERRORED SEQUENCES

2813 <210> SEQ ID NO: 45  
 2814 <211> LENGTH: 675  
 2815 <212> TYPE: PRT  
 2816 <213> ORGANISM: maize ERECTA  
 2818 <400> SEQUENCE: 45

p.3

2820	Met	Gln	Val	Asn	Arg	Leu	Thr	Gly	Ser	Ile	Pro	Pro	Glu	Leu	Gly	Asn
2821	1			5					10					15		
2824	Met	Ser	Thr	Leu	His	Tyr	Leu	Glu	Leu	Asn	Asp	Asn	Gln	Leu	Thr	Gly
2825				20					25				30			
2828	Ser	Ile	Pro	Pro	Glu	Leu	Gly	Arg	Leu	Thr	Gly	Leu	Phe	Asp	Leu	Asn
2829				35				40					45			
2832	Leu	Ala	Asn	Asn	His	Leu	Glu	Gly	Pro	Ile	Pro	Asp	Asn	Leu	Ser	Ser
2833		50					55				60					
2836	Cys	Val	Asn	Leu	Asn	Ser	Phe	Asn	Ala	Tyr	Gly	Asn	Lys	Leu	Asn	Gly
2837	65				70				75					80		
2840	Thr	Ile	Pro	Arg	Ser	Leu	Arg	Lys	Leu	Glu	Ser	Met	Thr	Tyr	Leu	Asn
2841				85					90					95		
2844	Leu	Ser	Ser	Asn	Phe	Ile	Ser	Gly	Ser	Ile	Pro	Ile	Glu	Leu	Ser	Arg
2845				100					105					110		
2848	Ile	Asn	Asn	Leu	Asp	Thr	Leu	Asp	Leu	Ser	Cys	Asn	Met	Met	Thr	Gly
2849				115				120					125			
2852	Pro	Ile	Pro	Ser	Ser	Ile	Gly	Asn	Leu	Glu	His	Leu	Leu	Arg	Leu	Asn
2853		130					135					140				
2856	Leu	Ser	Lys	Asn	Asp	Leu	Val	Gly	Phe	Ile	Pro	Ala	Glu	Phe	Gly	Asn
2857	145				150				155					160		
2860	Leu	Arg	Ser	Val	Met	Glu	Ile	Asp	Leu	Ser	Tyr	Asn	His	Leu	Gly	Gly
2861				165					170					175		
2864	Leu	Ile	Pro	Gln	Glu	Leu	Gly	Met	Leu	Gln	Asn	Leu	Met	Leu	Leu	Lys
2865				180				185						190		

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```

2868 Leu Glu Asn Asn Asn Ile Thr Gly Asp Val Ser Ser Leu Met Asn Cys
2869 -- 195 200 205-
2872 Phe Ser Leu Asn Ile Leu Asn Val Ser Tyr Asn Asn Leu Ala Gly Ala
2873 210 215 220
2876 Val Pro Thr Asp Asn Asn Phe Thr Arg Phe Ser His Asp Ser Phe Leu
2877 225 230 235 240
2880 Gly Asn Pro Gly Leu Cys Gly Tyr Trp Leu Gly Ser Ser Cys Arg Ser
2881 245 250 255
2884 Thr Gly His Arg Asp Lys Pro Pro Ile Ser Lys Ala Ala Ile Ile Gly
2885 260 265 270
2888 Val Ala Val Gly Gly Leu Val Ile Leu Leu Met Ile Leu Val Ala Val
2889 275 280 285
2892 Cys Arg Pro His His Pro Pro Ala Phe Lys Asp Ala Thr Val Ser Lys
2893 290 295 300
2896 Pro Val Ser Asn Gly Pro Pro Lys Leu Val Ile Leu His Met Asn Met
2897 305 310 315 320
2900 Ala Leu His Val Phe Asp Asp Ile Met Arg Met Thr Glu Asn Leu Ser
2901 325 330 335
2904 Glu Lys Tyr Ile Ile Gly Tyr Gly Ala Ser Ser Thr Val Tyr Lys Cys
2905 340 345 350
2908 Val Leu Lys Asn Cys Lys Pro Val Ala Ile Lys Lys Leu Tyr Ala His
2909 355 360 365
2912 Tyr Leu Gln Ser Leu Lys Glu Phe Glu Thr Glu Leu Glu Thr Val Gly
2913 370 375 380
2916 Ser Ile Lys His Arg Asn Leu Val Ser Leu Gln Gly Tyr Ser Leu Ser
2917 385 390 395 400
2920 Pro Val Gly Asn Leu Leu Phe Tyr Ala Tyr Met Glu Ser Gly Ser Leu
2921 405 410 415
2924 Trp Asp Val Leu His Glu Gly Ser Ser Lys Lys Asn Lys Leu Asp Trp
2925 420 425 430
2928 Val Thr Arg Leu Arg Ile Ala Leu Gly Ala Ala Gln Gly Leu Ala Tyr
2929 435 440 445
2932 Leu His His Asp Cys Ser Pro Arg Ile Ile His Arg Asp Val Lys Ser
2933 450 455 460
2936 Lys Asn Ile Leu Leu Asp Lys Asp Tyr Glu Ala His Leu Thr Asp Phe
2937 465 470 475 480
2940 Gly Ile Ala Lys Ser Leu Cys Val Ser Lys Thr His Thr Ser Thr Tyr
2941 485 490 495
2944 Val Met Gly Thr Ile Gly Tyr Ile Asp Pro Glu Tyr Ala Arg Thr Ser
2945 500 505 510
2948 Arg Leu Asn Glu Lys Ser Asp Val Tyr Ser Tyr Gly Ile Val Leu Leu
2949 515 520 525
2952 Glu Leu Leu Thr Gly Lys Lys Pro Val Asp Asn Glu Cys Asn Leu His
2953 530 535 540
2956 His Leu Ile Leu Ser Lys Thr Ala Ser Asn Glu Val Met Glu Thr Val
2957 545 550 555 560
2960 Asp Pro Asp Val Gly Asp Thr Cys Lys Asp Leu Gly Glu Val Lys Lys
2961 565 570 575
2964 Leu Phe Gln Leu Ala Leu Leu Cys Thr Lys Arg Gln Pro Ser Asp Arg

```

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```

2965          580          585          590
2968 Pro-Thr-Met His Glu Val Val Arg Val Leu Asp Cys Leu Val Asn Pro
2969          595          600          605
2972 Glu Pro Pro Pro Gln Pro Gln Gln Gln Gln Lys Ala His Ala His
2973          610          615          620
2976 His Gln Leu Pro Pro Gln Pro Ser Pro Pro Ala Tyr Val Asp Glu Tyr
2977 625          630          635          640
2980 Val Ser Leu Arg Gly Thr Gly Ala Leu Ser Cys Ala Asn Ser Ser Ser
2981          645          650          655
2984 Thr Ser Asp Ala Glu Leu Phe Leu Lys Phe Gly Glu Ala Ile Ser Gln
2985          660          665          670
2988 Asn Met Val
2989          675
E--> 2995 1

```

**VERIFICATION SUMMARY**

DATE: 01/10/2005

PATENT APPLICATION: US/10/519,135

TIME: 16:26:45

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\01102005\J519135.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:60  
L:2251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:480  
L:2586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:120  
L:2995 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:45